APPLIED MATHEMATICS AND COMPUTATION

VOLUME 42

PAUL J. SANCHEZ AND SUSAN M. SANCHEZ
Design of Frequency-Domain Experiments for Discrete-Valued Factors 1

FIRDAUS E. UDWADIA
Noncollocated Point Control of Nondispersive Distributed-Parameter Systems Using Time Delays 23

S. LENHART, S. STOJANOVIC, AND V. PROTOPOPESCU
Variational Approach for Competitive Systems with Obstacles 65

HONG ZHANG AND XIAO-YI MIN
On the Galerkin Method with Vector Basis Functions 85

RICCARDO FAZIO
The Iterative Transformation Method and Length Estimation for Tubular Flow Reactors 105

CLAUDE BREZINSKI
Implementing the Jackknife 111

DANIELE FUNARO
Pseudospectral Approximation of a PDE Defined on a Triangle 121

L. W. WHITE
Estimation of Elastic Parameters in a Nonlinear Elliptic Model of a Plate 139

K. J. BUNCH, W. N. CAIN, AND R. W. GROW
A Data Fitting Approach to Series Convergence Acceleration 189

M. MURASKIN
Summation-over-Paths Degree of Freedom and the Loop Lattice 197

ZHANG LIQING
Asymptotic Expansion and Geometric Properties of the Spline Collocation Periodic Solution of an ODE System 209

NARENDRA S. GOEL AND MARK D. GOODWIN
Symbolic Computation Using L-Systems 223

M. A. TAPIA, T. A. GUIMA, AND A. KATBAB
Calculus for a Multivalued-Logic Algebraic System 255

C. Y. CHAN AND BENEDICT M. WONG
Computational Methods for Time-Periodic Solutions of Singular Semilinear Parabolic Problems 287